

INTERNATIONAL SEARCH REPORT

Int: onal Application No
PCT/US 03/01765

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/38 B24B19/22 B24D3/00 G02B6/25

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B24B B24D G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) -& JP 2000 354970 A (FUJI PHOTO FILM CO LTD), 26 December 2000 (2000-12-26) abstract paragraphs '0023!', '0024!', '0044!', '0046!	1-3,7,9
Y		5,6
A		8
P,X	US 6 443 827 B1 (RYOKE KATSUMI ET AL) 3 September 2002 (2002-09-03) column 2, line 22-27 column 2, line 45-55 column 4, line 52 -column 5, line 25 column 11, line 16-36 column 11, line 56 -column 12, line 2 -/-	1-3,7,9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

4 July 2003

Date of mailing of the international search report

14/07/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 01 45903 A (OHISHI MICHIMIRO ;3M INNOVATIVE PROPERTIES CO (US)) 28 June 2001 (2001-06-28) page 7, line 7-16 page 8, line 26-29 page 11, line 20-30 figure 4	5,6
A	US 6 165 239 A (STOFKO JOHN J ET AL) 26 December 2000 (2000-12-26) column 1, line 7-23 column 13, line 65 -column 14, line 62	4
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A	US 5 914 299 A (DIZIO JAMES P ET AL) 22 June 1999 (1999-06-22) column 18, line 66 -column 19, line 12 column 20, line 5-21 column 21, line 19-55 figures 2,4	1-3,5-7, 9

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Information on patent family members

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